Electronic Medical Documentation Interoperability (EMDI) Initiative
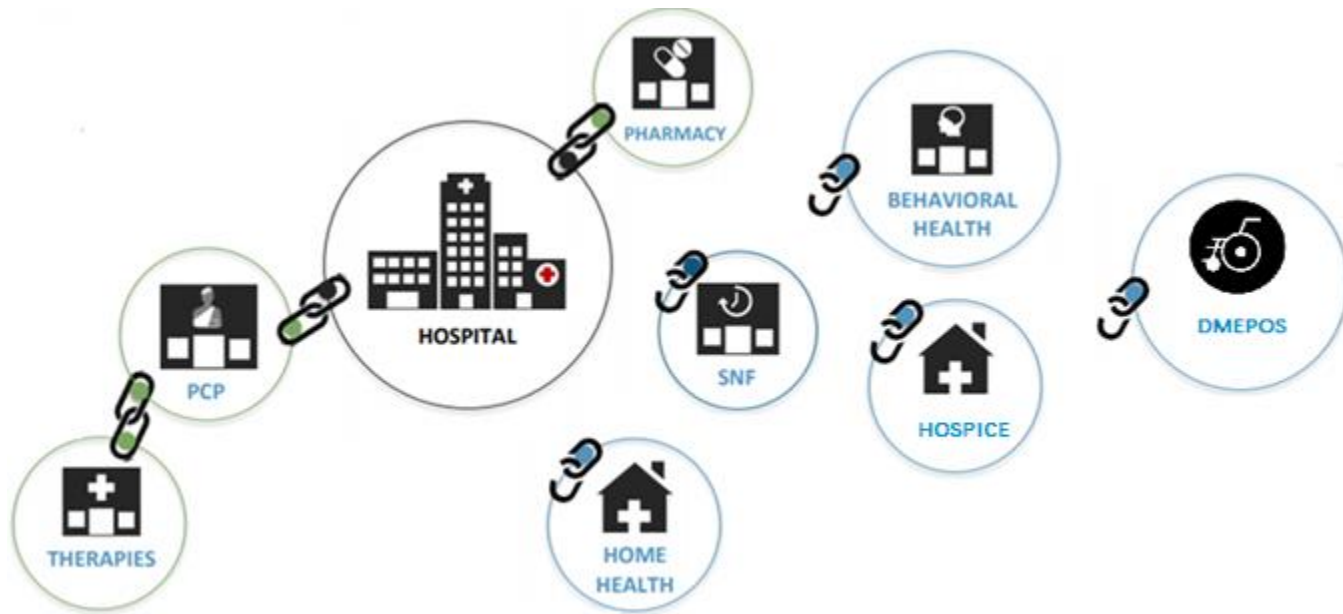
CMS - EMDI Overview 2019

Agenda

- Interoperability
- EMDI Initiative
  - CMS Alignment and Goals
  - Provider Burden in Order/Referral Process
  - EMDI Use Cases
  - EMDI Benefits
  - Concept of an EMDI Pilot
  - EMDI Program Standards & Guides
- EMDI Pilot Participant Involvement/Expectations
- Scope Infotech's Role in EMDI

Interoperability

Interoperability
Is the ability of a system to:

Exchange electronic health information with another system

Use electronic health information received from another system

Can be achieved with the help of Health IT standards and protocols

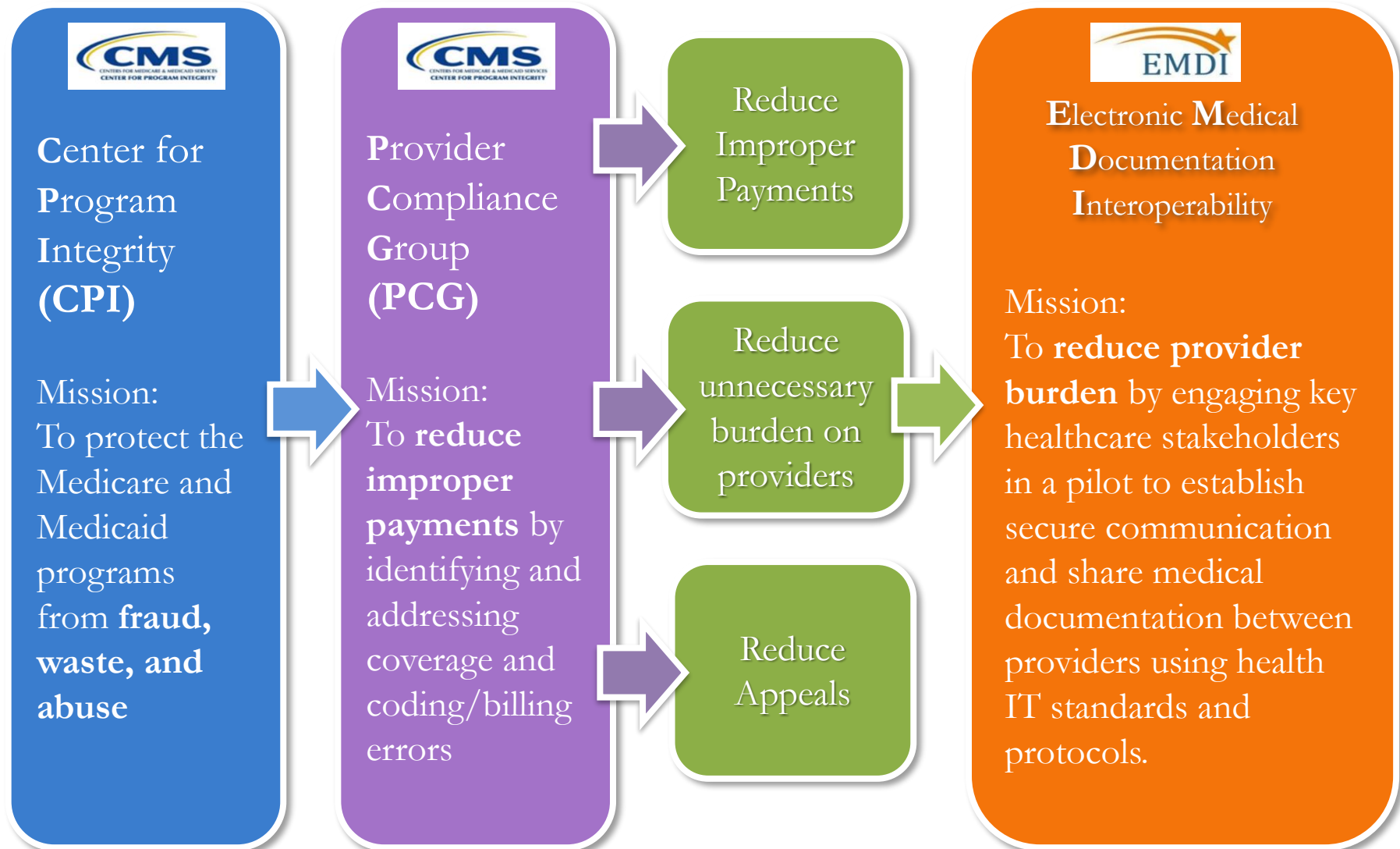# Electronic Medical Documentation Interoperability (EMDI) Initiative

Voluntary Pilot Programs

Secure Communication Between Providers

Structured Medical Documentation

CPI, PCG, and EMDI Goal Alignment

Center for Program Integrity (CPI)

Mission:
To protect the Medicare and Medicaid programs from **fraud, waste, and abuse**

Provider Compliance Group (PCG)

Mission:
To **reduce improper payments** by identifying and addressing coverage and coding/billing errors

Reduce Improper Payments

Reduce unnecessary burden on providers

Reduce Appeals

Electronic Medical Documentation Interoperability

Mission:
To **reduce provider burden** by engaging key healthcare stakeholders in a pilot to establish secure communication and share medical documentation between providers using health IT standards and protocols.

Goals and Foundation

Reduce Provider Burden

Process Objectives
- Automated Processes
- Improved Workflow
- Reduced Appeals

Provider Objectives
- Improved Communication
- Increased Satisfaction

Financial Objectives
- Reduced Time
- Reduced Cost
- Reduced Resources

Growth Objectives
- Additional Use Cases
- EMDI for other workflows

Foundation of EMDI

Initiatives
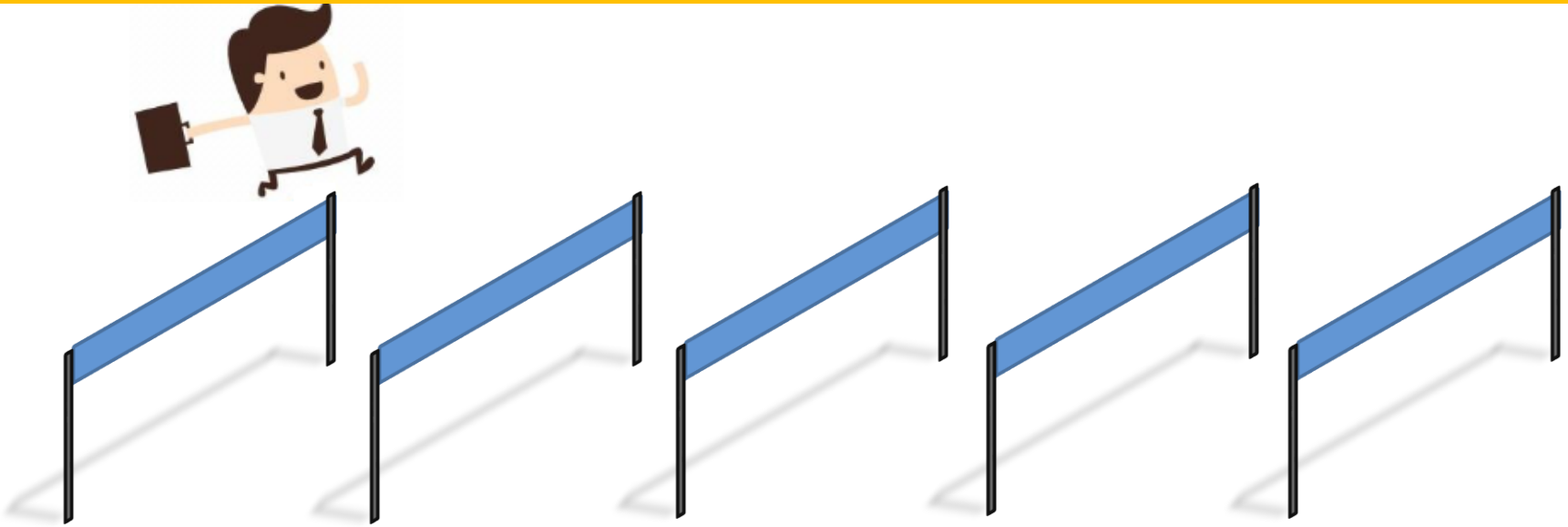- CMS Promoting Interoperability
- CMS Patients Over Paperwork

Regulation
- ONC Information Blocking Rule
- CMS Interoperability and Patient Access Proposed Rule
- HHS Strategy for Reducing Burden

Legislation
- ONC 21st Century Cures Act
- ONC Draft Trusted Exchange Framework and Common Agreement (TEFCA)
- Health Information Technology for Economic and Clinical Health (HITECH) Act

Burden Caused by Challenges in Order/Referral Process

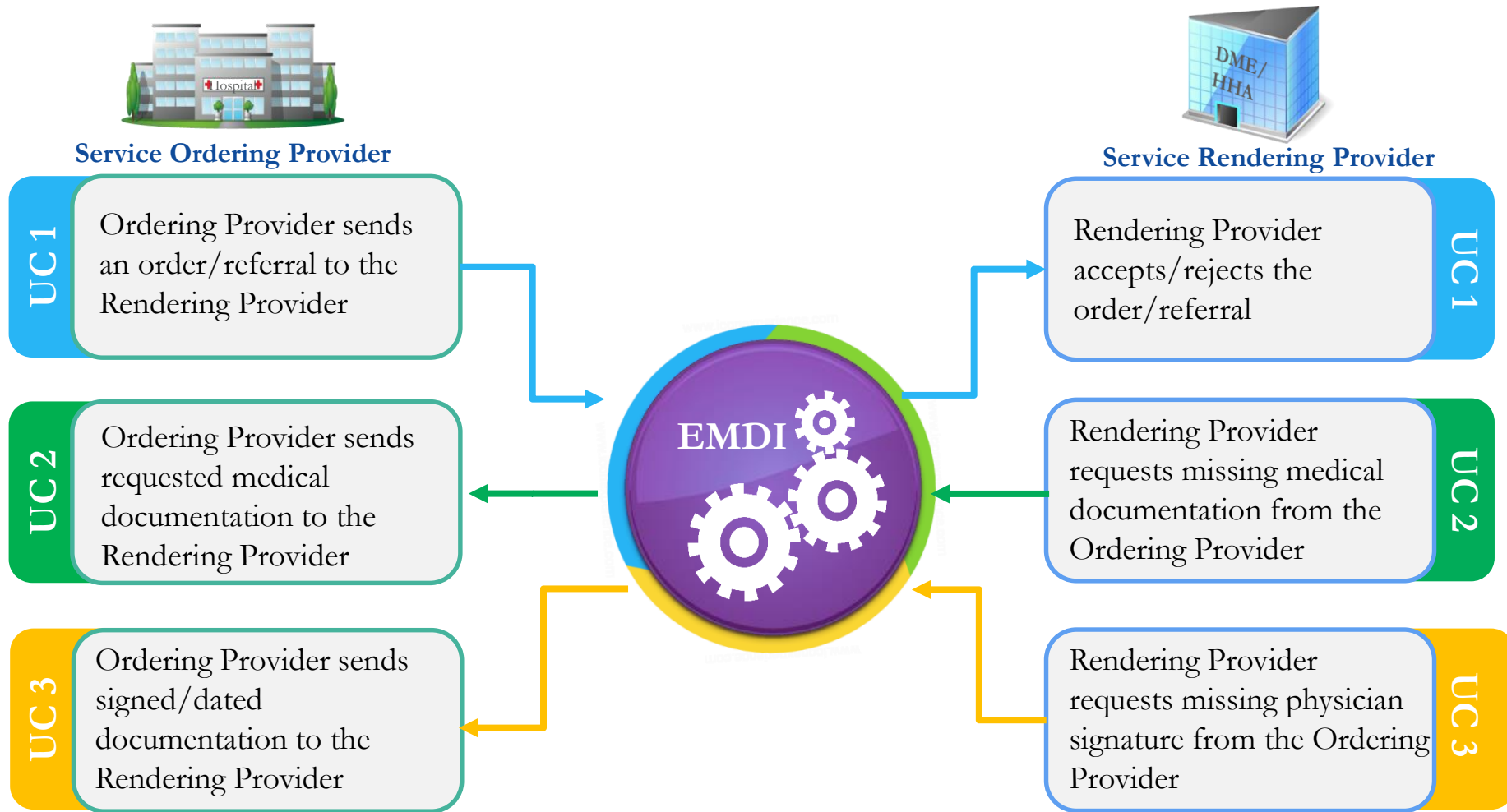| Challenges in initiating, tracking, and renewal of paper-based manual orders/referrals	Lack of readily available information on requirements, authorizations	Delay caused by paper-based communication	Difficulty in obtaining missing documentation/ signatures in a timely manner and poor traceability of such requests	Claim denials and appeals due to missing documentation/ signatures

EMDI Use Cases

Service Ordering Provider

Service Rendering Provider

UC 1 — Ordering Provider sends an order/referral to the Rendering Provider

UC 1 — Rendering Provider accepts/rejects the order/referral

EMDI

UC 2 — Ordering Provider sends requested medical documentation to the Rendering Provider

UC 2 — Rendering Provider requests missing medical documentation from the Ordering Provider

UC 3 — Ordering Provider sends signed/dated documentation to the Rendering Provider

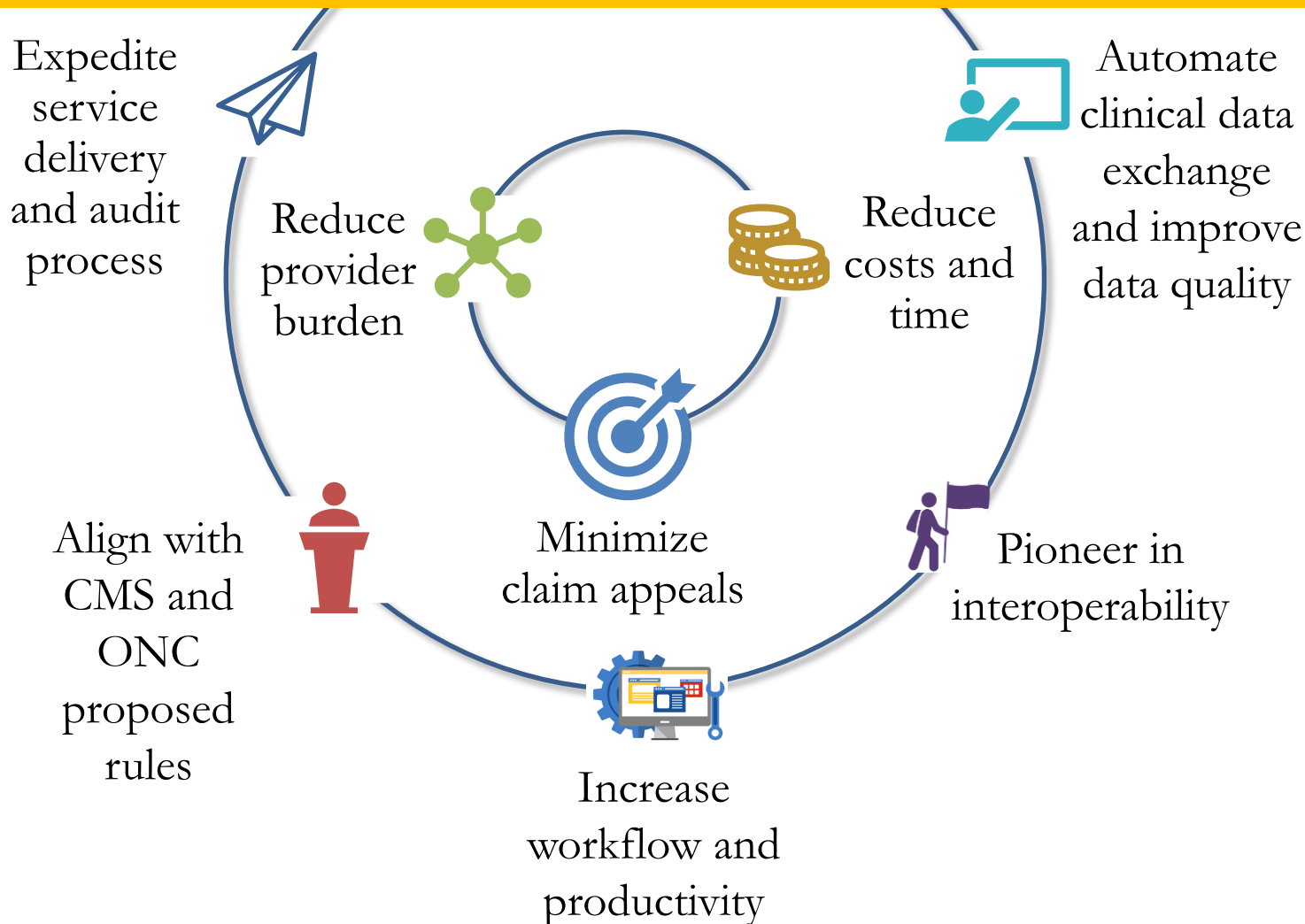**UC 3** — Rendering Provider requests missing physician signature from the Ordering Provider

UC1: Order/Referral, with attached medical records
UC2: Request for Medical Documentation
UC3: Request for Signature

7

Benefits of EMDI Initiative

Expedite service delivery and audit process

Reduce provider burden

Automate clinical data exchange and improve data quality

Reduce costs and time

Align with CMS and ONC proposed rules

Minimize claim appeals

Pioneer in interoperability

Increase workflow and productivity

The program has run successfully since 2016 with 4 completed pilots and 11 ongoing pilots.

EMDI

Concept of EMDI Pilot

UC1: **Order/Referral**, with attached medical records
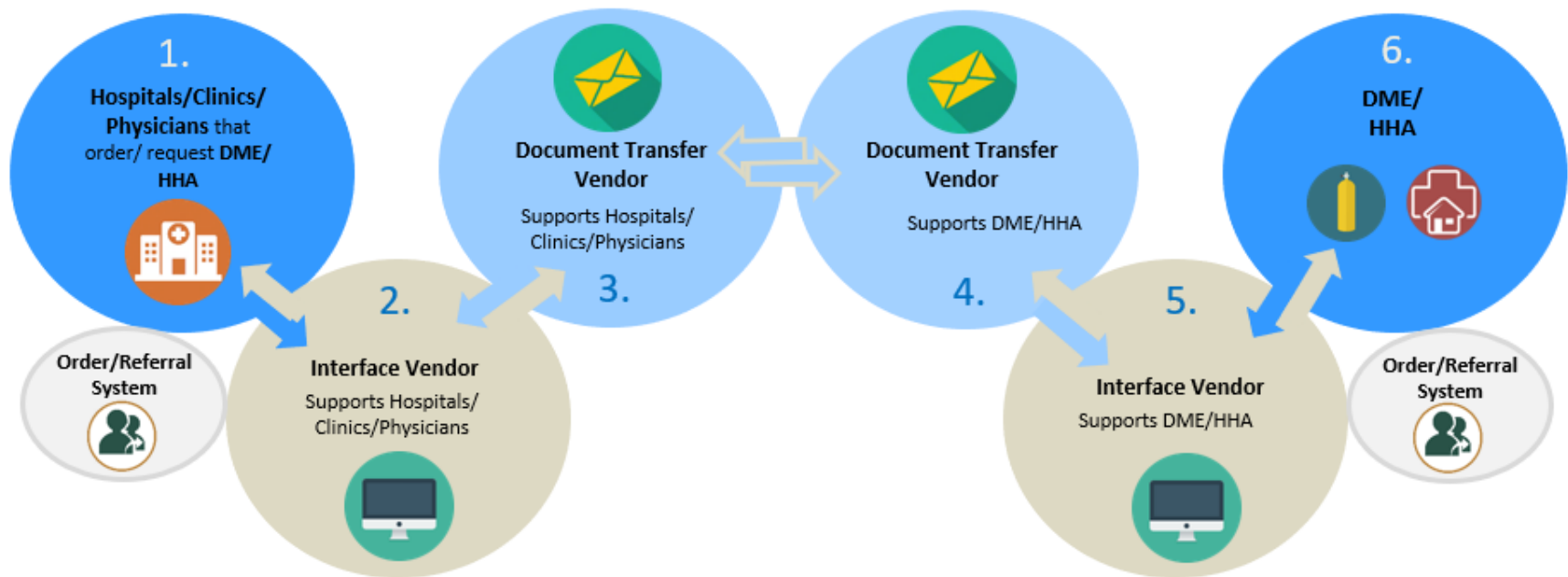UC2: **Request for Medical Documentation**
UC3: **Request for Signature**

EMDI Program Standards & Guides

Transport Standards	Content Standards	Messaging Data Standards	FHIR Technologies
• REST API • Direct • CONNECT • SOAP	• FHIR • HL7 (C-CDA & CDP1)	• HL7 v2 • X12 • FHIR	• CDS Hooks • CQL • OAuth • SMART on FHIR

EMDI Guides

EMDI Program Guide

EMDI Pilot Guide

HL7 FHIR – Order/Referral Implementation Guide

HL7 FHIR – CDeX (Clinical Document Exchange) Implementation Guide

Reference: https://oncprojectracking.healthit.gov/wiki/display/TechLabSC/EMDI+Home

Pilot Participant Involvement/Expectations

Exploration

- Review resources
- Communicate interest
- Sign program participation sheet
- Participate in alignment discussion

Initiation

- Identify pilot goals
- Identify remaining participants
- Provide pilot schedule
- Attend monthly workgroup calls

Execution

- Submit pre-pilot measures
- Start use case implementation
- Provide monthly status updates

Testing

- Provide one of below: Test case document, Demo, Proof of concept, Participation in HIMSS interoperability showcase or HL7 Connectathon

Closing

- Production release
- Provide pilot completion summary
- Provide post-pilot measures

EMDI Pilot Guide: https://oncprojecttracking.healthit.gov/wiki/display/TechLabSC/EMDI+Pilot+Guide

Scope Infotech's Role in EMDI

CMS contractor that coordinates and leads the EMDI initiative

- Establish critical use cases
- Provide a suggested standard for implementation

- Develop, implement, and monitor EMDI pilots
- Monitor and measure the success of the pilots using EMDI measures

- Provide guidance by harmonizing standards
- Provide a communication platform for our workgroup participants to share best practices

Comments or Questions?

Email to: EMDI_TEAM@scopeinfotechinc.com

References

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  - *https://www.cms.gov/Outreach-and-Education/Outreach/Partnerships/Downloads/PoPDecember2017Newsletter.pdf*
- Promoting Interoperability Initiative
  - https://www.healthcare-informatics.com/article/payment/breaking-cms-overhaul-meaningful-use-program-new-emphasis-interoperability
- Meaningful Measures Framework Initiative
  - https://www.cms.gov/Medicare/Quality-Initiatives-Patient-Assessment-Instruments/QualityInitiativesGenInfo/MMF/General-info-Sub-Page.html
- Nationwide Interoperability Roadmap
  - https://www.healthit.gov/sites/default/files/hie-interoperability/nationwide-interoperability-roadmap-final-version-1.0.pdf

EMDI Pilot Workflows

(With different transport standards)

CCDA, Structured PDF

Provider System Integrated Order/Referral Portal

EHR

Supplier HIT

Portal Based Workflow

CONNECT, Direct, or Clearinghouse Based Workflow

CCDA, CDP1, Structured PDF

HIH

CONNECT

HISP

Direct Project

Clearinghouse

ASC X12

CCDA, CDP1, Structured PDF

EHR

Supplier HIT

Service Ordering Provider

Hospital

DME/ HHA

Service Rendering Provider

FHIR Based Workflow

FHIR Server

FHIR Server

CCDA, FHIR

RESTful Transaction

EHR

Supplier HIT